# CONTENTS

	PAGE
A POPULAR CRUSADE AGAINST CONSUMPTION By C. H. GARLAND.	- 1
THE CONQUEST OF TUBERCULOSIS - By DAVID B. LEES, M.A., M.D., F.R.C.P.	- 7
DIRECTIONS FOR LIVING AND SLEEPING IN THE OPEN AIR By THOMAS SPEES CARRINGTON, M.D.	- 11
LOCAL EFFORT IN THE ANTI-TUBERCULOSIS CAMPAIGN - By REGINALD E. STIDOLPH.	- 22
SOME EFFECTS OF THE CONSTANT CURRENT UPON TUBERCLI	E
Bacilli in Fluids By Charles Russ, M.B.	- 26
IMPRESSIONS OF THE INTERNATIONAL TUBERCULOSIS CONFERENCE	
Brussels, 1910	- 28
By Nathan Raw, M.D., M.R.C.P.	
SANATORIUM TREATMENT IN PULMONARY TUBERCULOSIS - By F. RUFENACHT WALTERS, M.D., M.R.C.P., F.R.C.S.	- 32
MILK AND TUBERCULOSIS	- 35
By Hugh A. Macewen, M.B., LL.B., D.P.H., F.R.S.E.	
CONSUMPTION AND THE POOR LAW By HARRY ROBERTS.	- 39
COLOUR TYPES IN TUBERCULOSIS - By PENN MILTON, M.R.C.S., L.R.C.P.	- 41
THE PREVALENCE AND PREVENTION OF TUBERCULOSIS IN EARLY	v
Life	- 44
By J. AINSLIE WALKER, F.C.S.	
TUBERCULOSIS AND THE WORK OF THE WOMEN'S NATIONAL	L
HEALTH ASSOCIATION OF IRELAND -	- 69
By HER EXCELLENCY THE COUNTESS OF ABERDEEN.	
THE TUBERCULIN DISPENSARY LEAGUE	- 83
By the Countess of Mayo and William Camac Wilkin son, M.D., F.R.C.P.	-
A FARM COLONY FOR CURED CONSUMPTIVES  By R. W. PHILIP, M.A., M.D., F.R.C.P., F.R.S.E.	- 87
THE DISPENSARY SYSTEM FOR THE CONTROL AND PREVENTION OF	
TUBERCULOSIS	
By Halliday G. Sutherland, M.D.	- 93

### CONTENTS

				PAGE
SANATORIA FROM WITHIN By a Patient.	•	•	*	98
THE ANTI-TUBERCULOSIS MOVEMENT IN WALES By E. FAIRFIELD THOMAS, M.D., M.I. D.P.H.	R.C.S.,	L.R.C	.P.,	106
THE WOMEN'S IMPERIAL HEALTH ASSOCIATION A AGAINST TUBERCULOSIS -	-	-		114
By R. Murray Leslie, M.A., B.Sc., M.	D., M	R.C.P.		
By J. E. BULLOCK, M.D., M.R.C.S.	-	•	a	118
THE OPSONIC INDEX IN TUBERCULOSIS - By W. H. BRAZIL, M.D., D.P.H., B.Sc.	-	~	-	120
TUBERCULIN IN DISPENSARY PRACTICE - By Miss Hilda Clark, M.B., B.S.	•		•	123
TUBERCULIN DISPENSARIES - By A. MEARNS FRASER, M.D., D.P.H.	-	~	•	124
NATIONAL INSURANCE AND TUBERCULOSIS: A	COLL	ECTION	OF	
REPRESENTATIVE OPINIONS -		-	-	161
COMMUNICATIONS FROM-	_			
SIR THOMAS OLIVER, M.A., D.Sc., LL.D. SIR WILLIAM J. THOMPSON, B.A., M.D., WALDORF ASTOR, M.P. DAVID DAVIES, M.P.			C.P.	
ARTHUR LATHAM, M.A., M.D., F.R.C.P. MARCUS S. PATERSON, M.B., B.S., M.R.(	C.S., L	R.C.P.		
G. F. McCleary, M.D., D.P.H. Duncan Forbes, M.D., B.Sc., D.P.H.				
JANE WALKER, M.D. C. H. GARLAND.				
C. S. Loch, B.A., D.C.L., LL.D.				
THE RELATION BETWEEN INCOME AND TUBERCU By WOODS HUTCHINSON, A.M., M.D.	LOSIS		-	175
Tuberculosis Work in Chicago - By W. A. Evans, M.D.	•	-	•	180
OPEN-AIR SCHOOL WORK IN CHICAGO - By SHERMAN C. KINGSLEY.	-	-	-	188
"THE TUBERCULOUS SCHOOL-CHILD," WITH SPE	CIAL I	REFERE	NCE	
TO OPEN-AIR SCHOOLS - By D. M. TAYLOR, M.A., M.D., D.P.H.	-	•	-	195
THE SHEFFIELD OPEN-AIR SCHOOL By RALPH P. WILLIAMS, M.D., B.S., D.I.	P.H.	-	•	204
DARLINGTON OPEN-AIR SCHOOL  By F. T. H. WOOD, M.D., B.S., B.Sc., 1	D.P.H.	-	•	211
THE TREATMENT OF TUBERCULOUS CONDITIONS BY By A. HOWARD PIRIE, M.D.			APY	218
REDUCTION IN MORTALITY FROM PHTHISIS By J. E. BULLOCK, M.D., M.R.C.S.	•		-	226

## CONTENTS

THE FUTURE OF SANATORIUM TREATMENT: A COLLECTION OF REPRESENTATIVE OPINIONS - 255
-55
COMMUNICATIONS FROM-
F. W. BURTON-FANNING, M.D., F.R.C.P. F. RUFENACHT WALTERS, M.D., M.R.C.P., F.R.C.S. H. HYSLOP THOMSON, M.D., C.M. B. HOSFORD STEEDE, M.A., M.D., B.A.O. R. MANDER SMYTH, M.D., M.R.C.S., L.R.C.P. DAVID LAWSON, M.A., M.D., F.R.S.E. F. K. ETLINGER, M.R.C.S., L.R.C.P. JAMES D. MACFIE, M.B., CH.B.
ESTHER CARLING, M.D., L.S.A. GEORGE A. CRACE-CALVERT, M.B., M.R.C.S., L.R.C.P.
THOMPSON CAMPBELL, M.D., C.M.
GODFREY BROOKES DIXON, M.R.C.S., L.R.C.P., L.S.A. S. VERE PEARSON, M.D., M.R.C.P. H. E. WATSON, M.B.
W. ROWLAND THURNAM, M.D., B.S.
STATE INSURANCE AND THE MACHINERY FOR THE DETECTION AND TREATMENT OF TUBERCULOSIS 275 By R. Murray Leslie, M.A., B.Sc., M.D.
THE REPORT OF THE ROYAL COMMISSION ON TUBERCULOSIS: A
CRITICAL SURVEY 282
By James Miller, M.D., F.R.C.P.E.  A CRITICAL IMPRESSION OF THE ANNUAL CONFERENCE OF THE
NATIONAL ASSOCIATION FOR THE PREVENTION OF
CONSUMPTION 290
By Halliday G. Sutherland, M.D.
TUBERCULOSIS AND VACCINE THERAPY 298 By D. W. CARMALT JONES, M.A., M.D., M.R.C.P.
THE RÔLE OF HOSPITAL OUT-PATIENTS' DEPARTMENTS IN THE
DETECTION OF TUBERCULOSIS 302 By CECIL WALL, M.A., M.D., F.R.C.P.
DENTAL CONDITIONS IN TUBERCULOUS SUBJECTS 304 By George Thomson, L.D.S.
Institutions for the Tuberculous 46, 127, 228, 307
HEALTH STATIONS 49, 131, 231, 309
Notices of Books 51, 135, 234, 311
Preparations and Appliances 58, 141, 245, 320

- 330

INDEX

# LIST OF ILLUSTRATIONS

	PAGE
AN ARTISTIC POSTER: "FAITH," AFTER THE PICTURE	
Joshua Reynolds	2
A POPULAR POSTER: AN APPEAL FOR HELP -	5
A WINDOW-TENT IN POSITION, WITH PATIENT IN BED	LOOKING
THROUGH THE CELLULOID WINDOW INTO THE ROOM	OM, BUT
BREATHING OUTDOOR AIR ONLY -	I2
A WINDOW-TENT RAISED WHEN NOT IN USE -	- 13
A WELL-CONSTRUCTED PORCH, WITH SCREENS AND AWNIN	NG PRO-
TECTION, BUILT ON THE ROOF OF A FIRST-FLOOR VI	ERANDA - 15
A GOOD WAY TO ARRANGE A NETTING AS A PROTECTIO	N FROM
INSECTS. NOTICE THE BARREL-HOOPS TIED TO THE B	EDSTEAD 17
A METHOD OF SCREENING BEDS IN HOT COUNTRIES	18
A KNITTED HELMET FOR PROTECTING THE HEAD, NE	CK, AND
Shoulders	20
POSTER, 42 INCHES × 36 INCHES, DISPLAYED ON ALL E	LEVATOR
STATIONS IN THE CITY. THESE ARE CHANGED EV	ERY SIX
Months	25
THE QUEEN ALEXANDRA SANATORIUM AT DAVOS -	46
GENERAL VIEW OF THE BACK OF THE QUEEN ALEXANDR	A SANA-
TORIUM	47
A PATIENT'S BEDROOM	48
GENERAL VIEW OF DAVOS	49
THE "REX" STERILIZER	58
THE "GRADULIQUE" SPRAY FOR AQUEOUS AND SPIRITUOU	
TIONS	59
THE "GRADULIQUE" SPRAY FOR OILY LIQUIDS -	59
THE "NASALIQUE" NASAL DOUCHE -	- 60
THE "WATCH-POCKET" HYPODERMIC SYRINGE -	- 61
A SANITARY TAP LEVER	61
A PORTABLE HEATER	63
A TELEPHONE BRACKET	64
Post-Office Pavilion, Benenden Sanatorium -	66
THE EXHIBIT OF THE WOMEN'S NATIONAL HEALTH ASSO	OCIATION
OF IRELAND AT THE TUBERCULOSIS EXHIBITION AT	

LIST OF ILLUST	TRATI	ONS			vii
Manage was Designed as West		*			PAGE
Models and Diagrams of the Wor Association of Ireland in their	TRAVE	LLING I			
AS SHOWN IN THE EXHIBIT AT YOU		•	-	œ	77
AT THE HOSPITAL: STAGE IIID.—ROAD			-	-	88
AT THE FARM COLONY: "COLONISTS"					89
AT THE FARM COLONY: COLONISTS	GATH	ERING	THE FI	RST	
POTATOES	-	-		*	90
OPEN-AIR LIFE WITH THE "FLORENCE I		GALE"	CARAVA	IN ·	115
THE "AURORA" CARAVAN ON TOUR	-			10	116
EDWARD SANATORIUM: MEDICAL BUILD	ING	-	•	-	127
Edward Sanatorium : Medical Buildin			IRST FLO	OOR	128
EDWARD SANATORIUM: PATIENTS' READ			-		128
EDWARD SANATORIUM: SIX-PATIENT CO	TTAGE	SLEEPIN	NG SHAC	CK -	129
EDWARD SANATORIUM: PLAN OF COTTA	GE SHA	CK	•		129
Dr. Minchin's Oro-Nasal Inhaler	-	-		-	141
THE "SANITAS BACTOX" VAPORIZER	-	-		-	144
A COMBUSTIBLE GRADUATED SPITTOON	-		-		145
THE "STOMO-TYN"	-	-	-	-	145
Moccasins for Open-Air Treatment		-	-	~	146
THE "UNIVERSAL" STETHONOSCOPE	-		-		147
SMITTEN				-	150
THE TUBERCULOUS HOME	-	-		-	151
OPEN-AIR TREATMENT	•	•	-	-	151
OAKSHOTT HANGER	-		-		152
SHELTERS IN USE AT OAKSHOTT HANGI	ER -	-	-	-	153
PLANS OF DR. HALLIDAY SUTHERLAND'	s Pure	-AIR SI	HELTER		155
THE ALLEN HEALTH TENT	-	-		-	156
THE OPEN-AIR SCHOOL			-		188
OPEN WINDOWS AT THE HAMLINE SCHOOL	DOL, CH	IICAGO	-		189
SCHOOLING IN THE OPEN	-				190
CHILDREN OF THE OPEN-AIR SCHOOL A	T DINN	ER			191
REST TIME	-	*		-	192
THE MEDICAL EXAMINATION -		-	-	-	193
NATURE STUDY			-		196
HALIFAX OPEN-AIR SCHOOL -			-	-	197
A CLASS IN THE OPEN		-	-	-	201
PLAN OF THE SHEFFIELD OPEN-AIR SC	HOOL A	ND GRO	DUNDS		204
CHILDREN ATTENDING THE SHEFFIELD	OPEN-A	IR SCH	OOL	-	205
THE OPEN-AIR CLASSROOM	-		-		206
DINING SHED ADAPTED FROM TWO PLAY	Y SHED	s -	-	-	207
REST TIME		-	-		208
CHART SHOWING THE AVERAGE WEIGHT	S OF TH	E CHI	LDREN V	VНО	
ATTENDED THROUGHOUT THE PER					
FROM JULY 11					210

## LIST OF ILLUSTRATIONS

								PAGE
A Modelling	LESSON	-	-	-		-	19	213
THE SHELTER	-	-	-	-	-	-		214
A LESSON IN C	ARDENING				-	-	-	215
THE DINNER	-		-	-		-	-	216
THE POTTENGE	R SANATOR	IUM FO	R DIS	EASES C	F THE	LUNGS	AND	
THROAT, M	Ionrovia,	CALIFO	RNIA			-		229
MALVERN: A V	IEW FROM	THE F	IILLS	-	-	٠.		231
MALVERN: A V	IEW ON TH	IE NOF	тн Н	ILL-			-	232
A COMBINATION	WOOL H	EAD-DR	ESS F	OR SANA	TORIUM	PATIE	NTS	246
ASEPTIC PAPER	DRINKING	CUP II	N MET	TAL HO	LDER	-	-	247
THE RONEO CI	IPLESS FAS	TENER		-			~	248
THE NORDRACH	ON-DEE S	ANATOR	RIUM	-		-	~	308
THE "SANA" T	ENT	-					-	321
WINDOW-SCREEN	1 -	•			-		A	324
THE KESTERTO	N BINAURA	L STET	HOSCO	PE -	-			326
THE SANATORIU	M OF THE	NATIO	NAL A	SSOCIAT	ION AT	BENEN	DEN	328